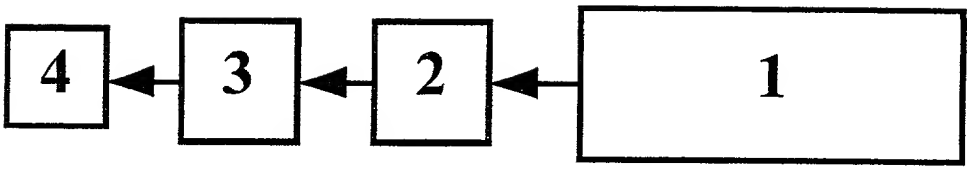


Figure 1

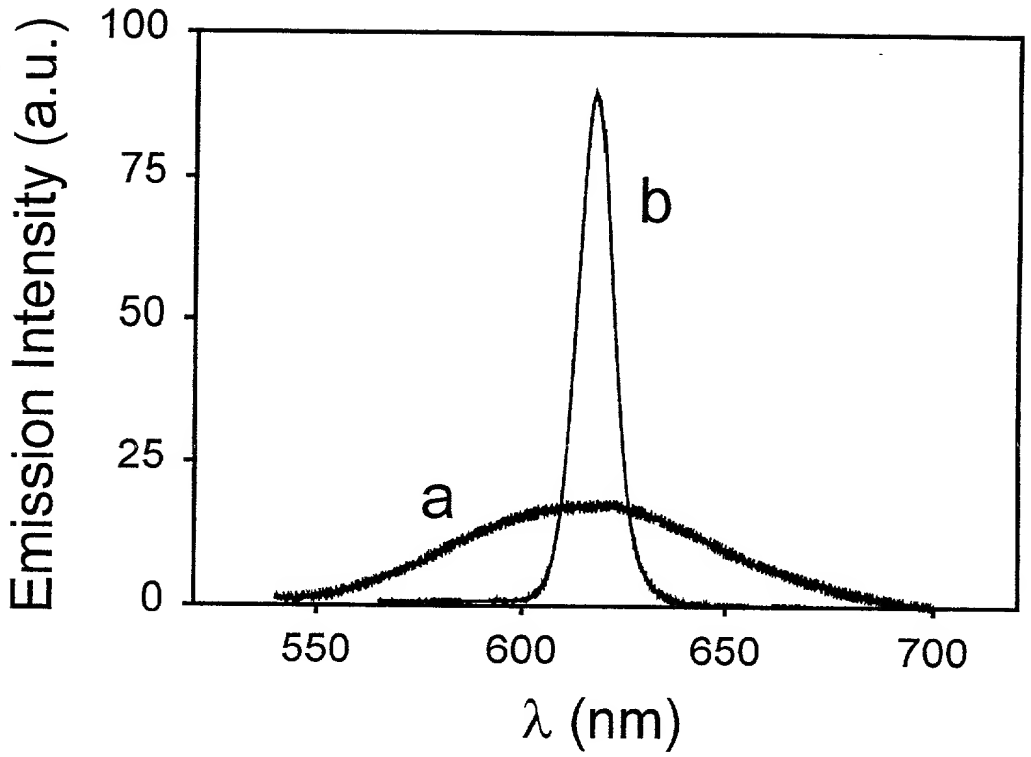


Figure 2

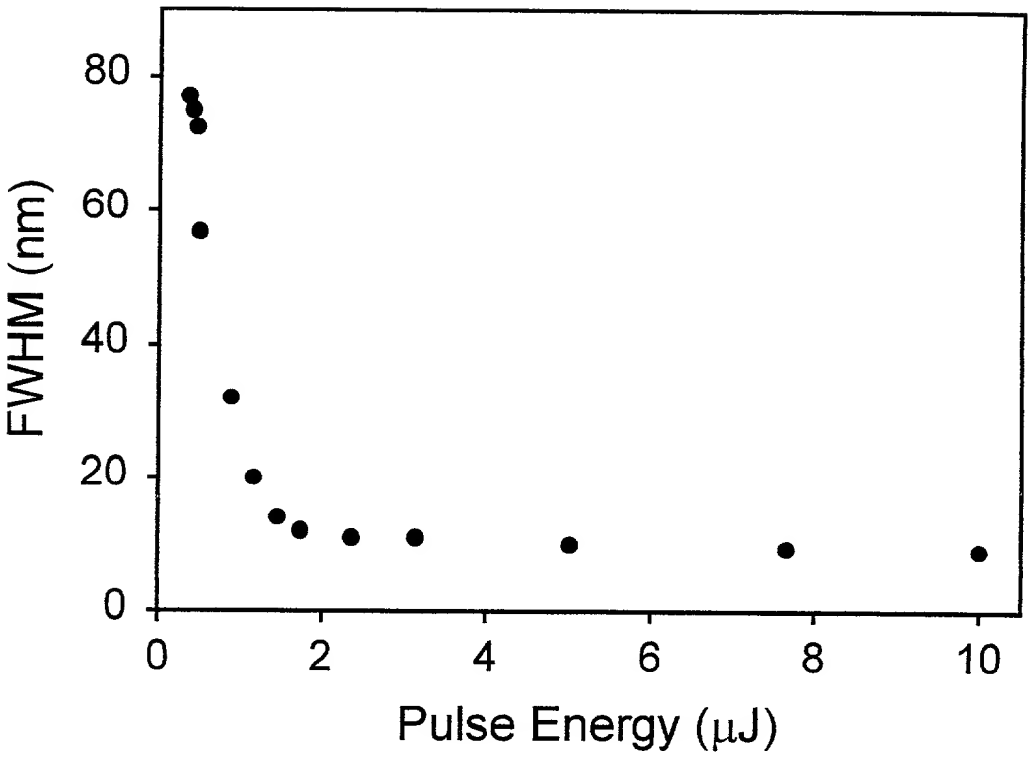


Figure 3

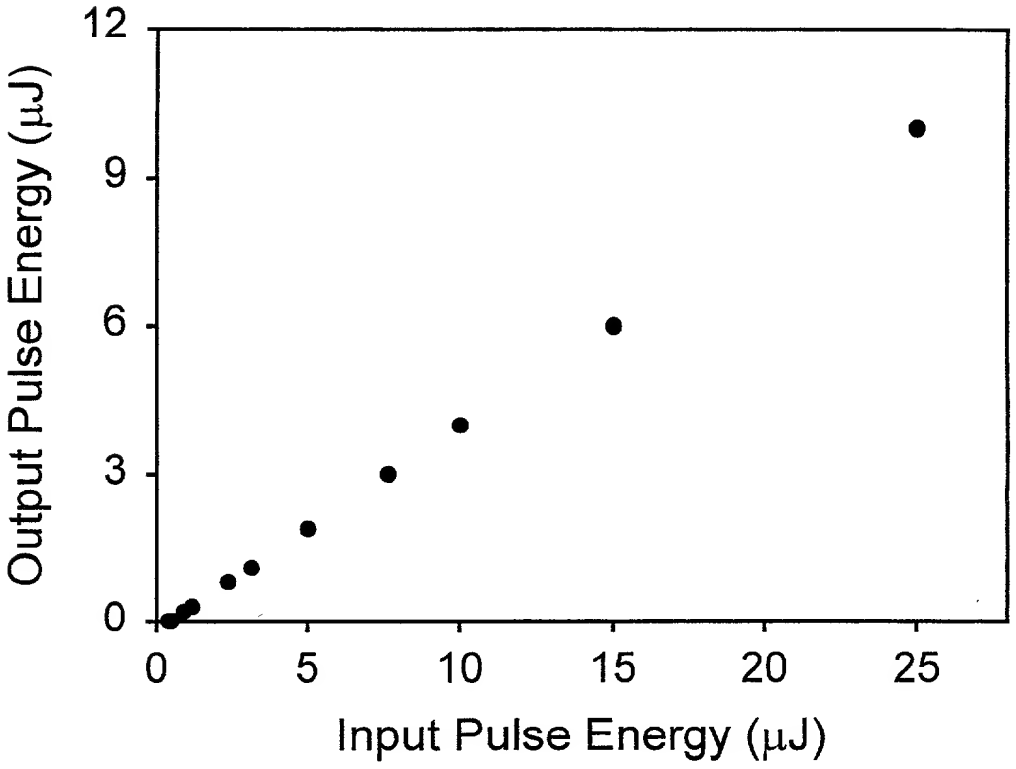

Output Pulse Energy (μJ)
12
9
6
3
0
0
5
10
15
20
25
Input Pulse Energy (μJ)

Figure 4

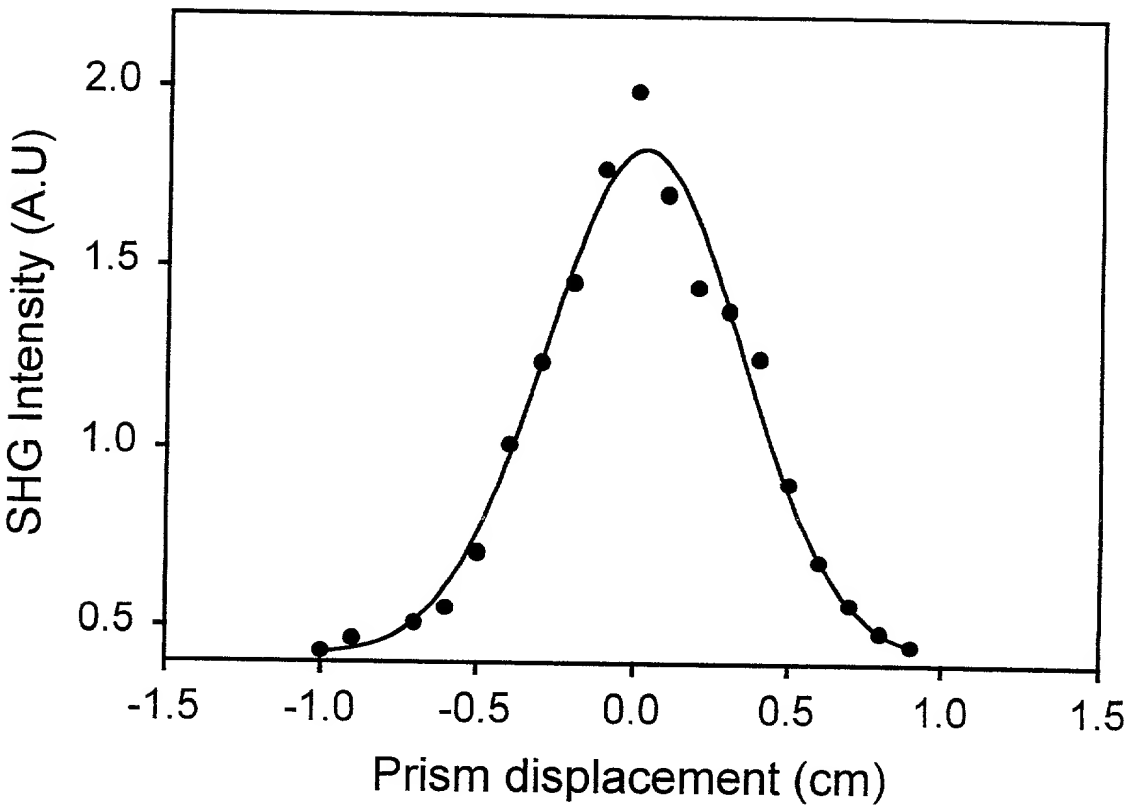

SHG Intensity (A.U)
2.0
1.5
1.0
0.5
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
Prism displacement (cm)

Figure 5

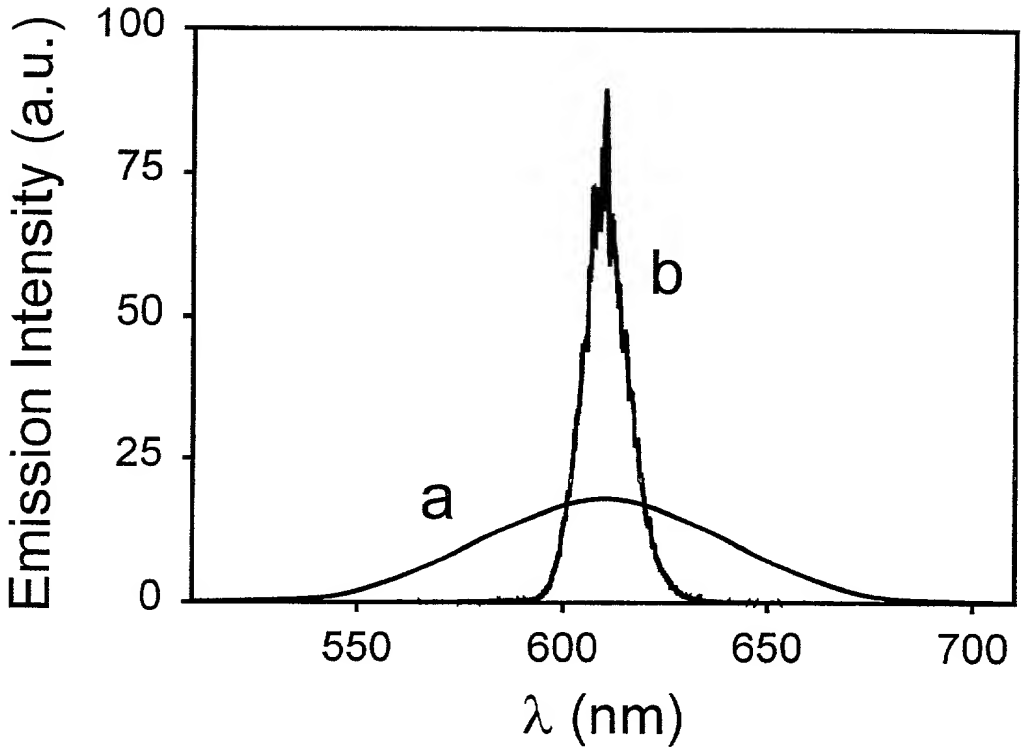


Figure 6

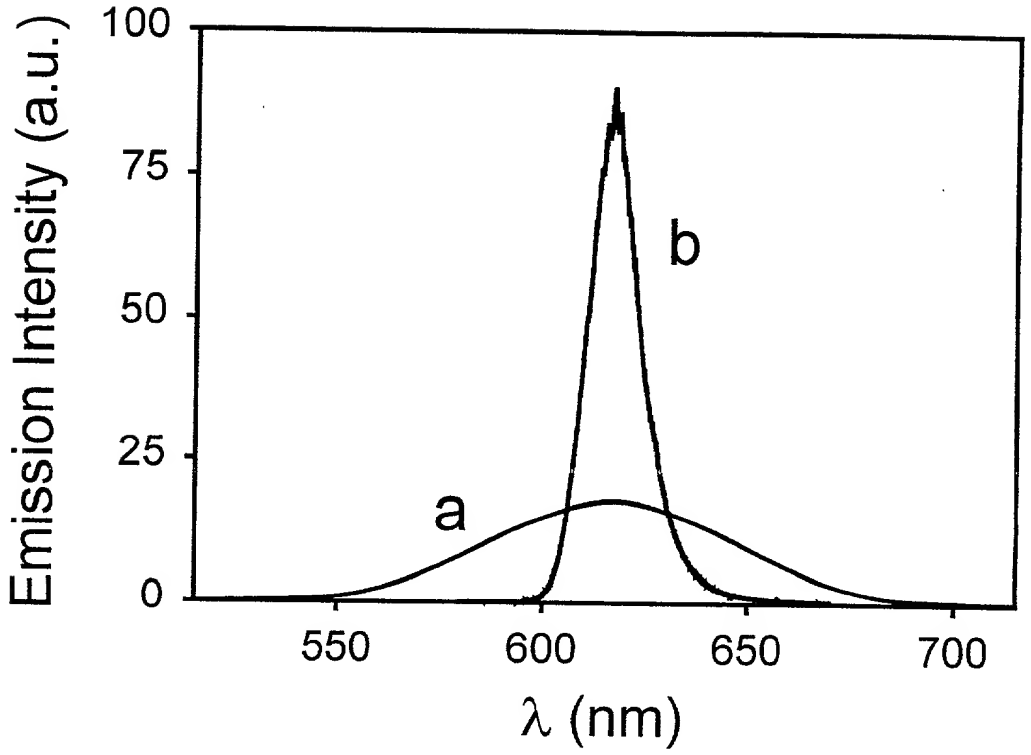


Figure 7

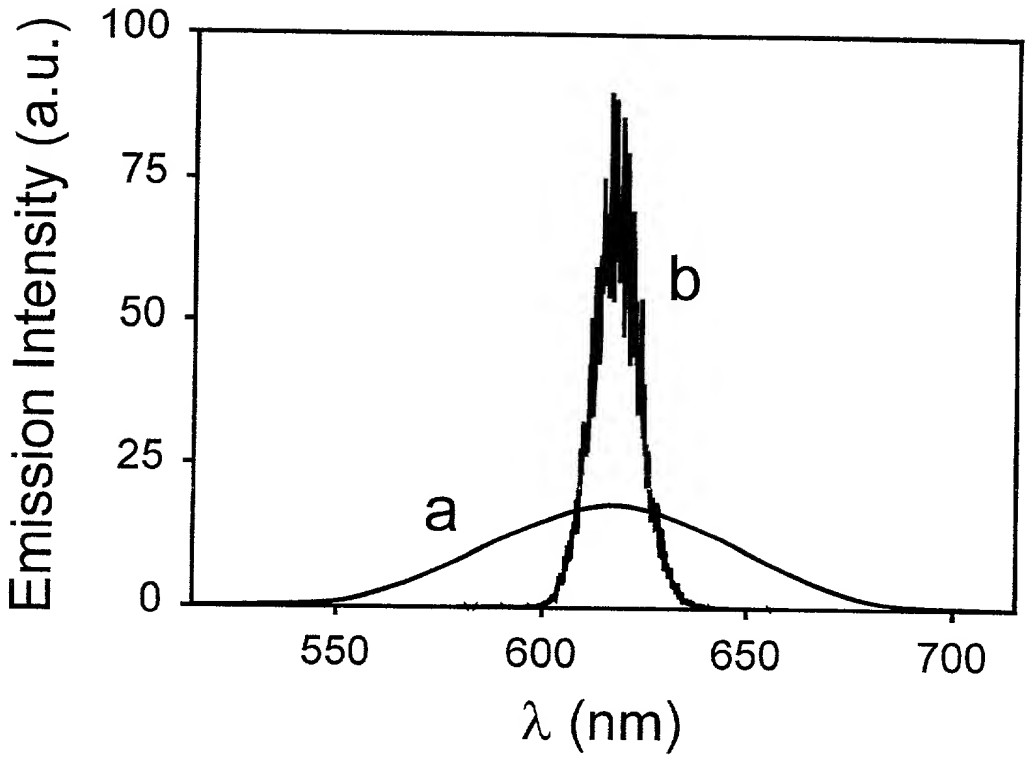


Figure 8

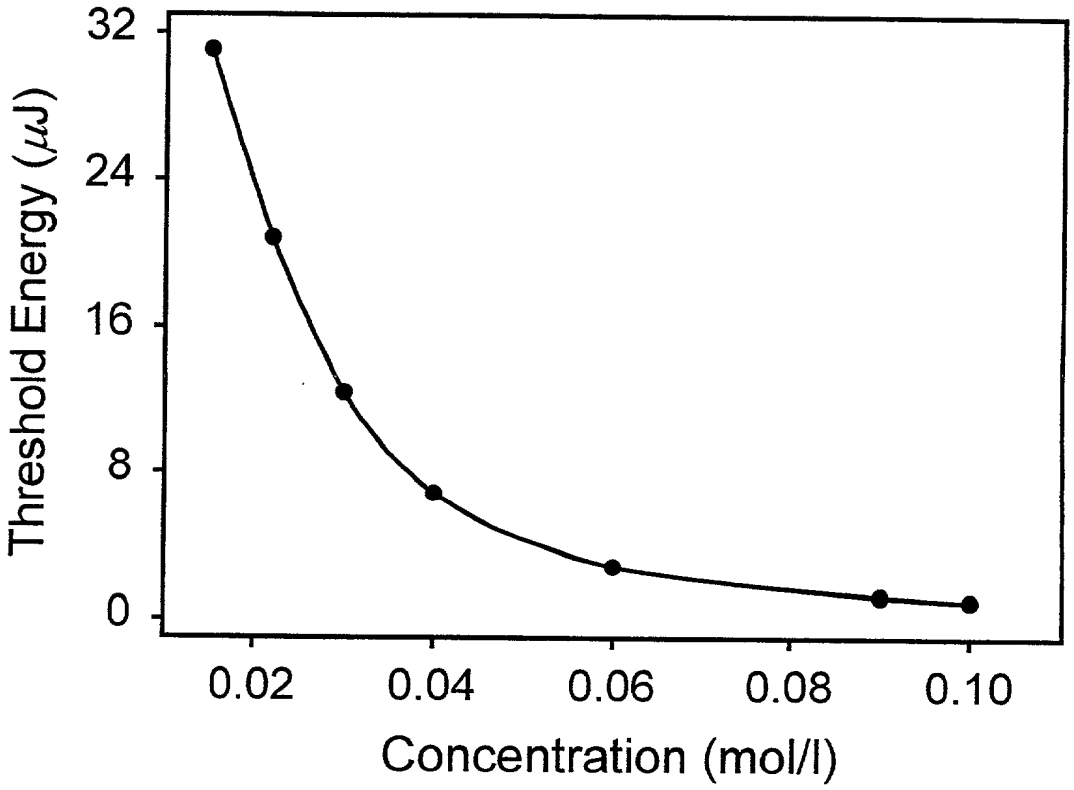

32
24
16
8
0
Threshold Energy (μJ)
0.02
0.04
0.06
0.08
0.10
Concentration (mol/l)

Figure 9

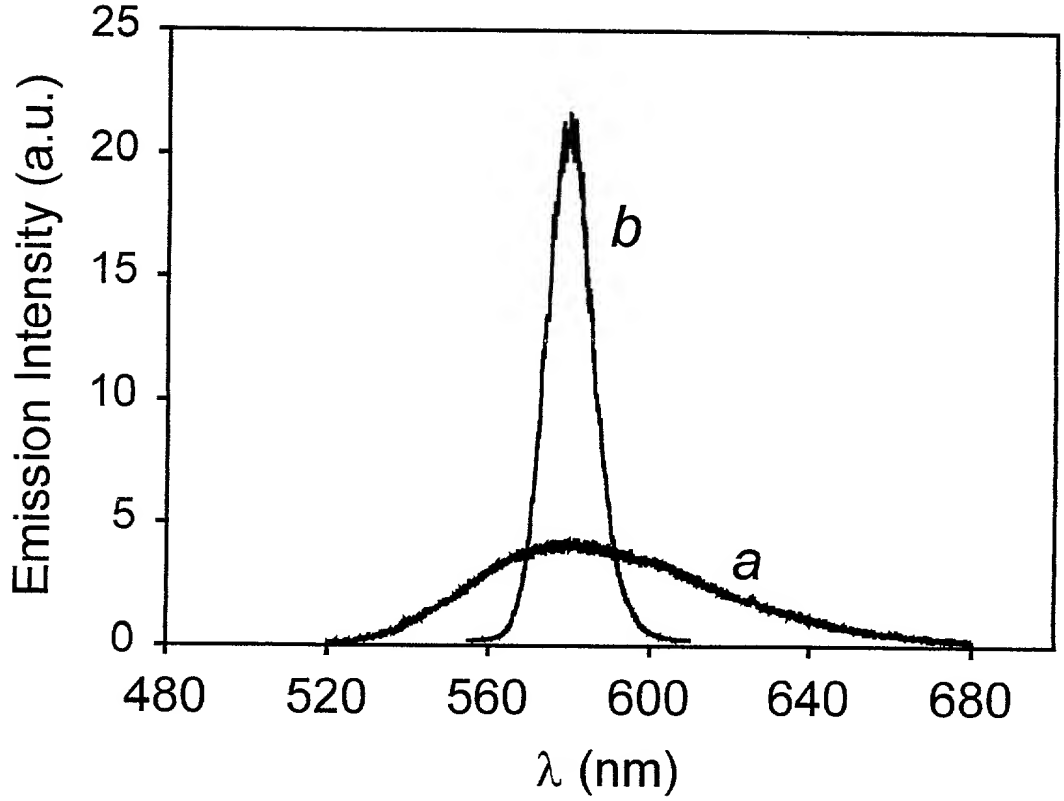

Emission Intensity (a.u.)
25
20
15
10
5
0
480
520
560
600
640
680
λ (nm)
b
a

Figure 10

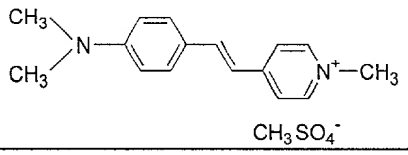
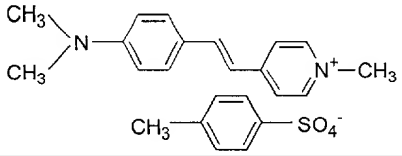
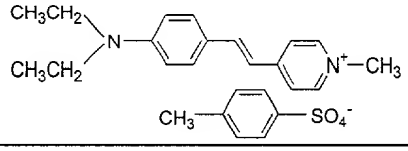
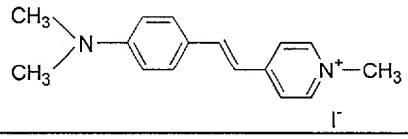
Name	Chemical Formula
Styrylpyridinium cyanine dye (SPCD)	
4′-dimethylamino-*N*-methyl-4-stilbazolium tosylate (DAST)	
4′-diethylamino-*N*-methyl-4-stilbazolium tosylate (DEST)	
4′-dimethylamino-*N*-methyl-4-stilbazolium iodide (DASPI)	

Figure 11

Material	Solvent	λ_{pump} (nm)	λ_{PL} (nm)		Energy Threshold (μJ/pulse)	Final Linewidth (nm)	Conversion Efficiency (%)
DTTC[a] (ref. 1)	Methanol	694	798	>50	-	13-18	3
Coumarin 47[b] (ref. 14)	Ethanol	355	451	>70	200	-	2.8
Coumarin 120[b] (ref. 14)	Ethanol	355	439	72	200	-	2.3
TOP-PPV[b] (ref. 14)	Hexane	355	449	80-90	100	7	6.8
MEH-PPV[b] (ref. 13)	Xylene/ $CHCl_3$	532	600	large	180	7	0.5
DCM[a] (10^{-3} mol/l)	Methanol	532	641	60-70	8	10	25
R6G[a] (10^{-3} mol/l)	Methanol	532	570	~70	1.5	10	30
SPCD[a] (0.1 mol/l)	Methanol	532	620	0.3	<1	10	40

[a]Measured without any external mirrors.
[b]Measured with an external resonator cavity.

Figure 12

Material	Solvent	λ_{pump} (nm)	λ_{PL} (nm)		Energy Threshold (μJ/pulse)	Final Linewidth (nm)	Conversion Efficiency (%)
DTTC[a] (ref. 1)	Methanol	694	798	>50	-	13-18	3
Coumarin 47[b] (ref. 14)	Ethanol	355	451	>70	200	-	2.8
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SPCD[a] (0.1 mol/l)	Methanol	532	620	0.3	<1	10	40

[a]Measured without any external mirrors.
[b]Measured with an external resonator cavity.

Figure 13